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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

DAVID L. HALLAHAN ET. AL.

CASE NO.: CL2039USPCT

APPLICATION NO.: 10/532013

CONFIRMATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

EXAMINER: UNASSIGNED

FILED: November 12, 2003

FOR: CIS-PRENYLTRANSFERASES FROM THE RUBBER-PRODUCING
PLANTS RUSSIAN DANDELION (TARAXACUM KOK-SAGHYZ) AND
SUNFLOWER (HELIANTHUS ANNUS)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

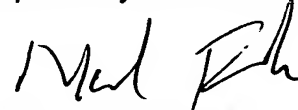
Sir:

In compliance with 37 C.F.R. §§1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office the information listed on the enclosed PTO/SB/08A and/or PTO/SB/08B forms. A copy of the information, if required, is also enclosed. Consideration of the information is requested under 37 C.F.R. § 1.56 and this information is submitted in accord with the provisions of §1.97(b): within three months of filing the national application under 37 C.F.R. §1.53(d), or entry into the national stage under 37 C.F.R. §1.491, or before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action on the merits after filing a Request for Continued Examination under 37 C.F.R. §1.114.

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complete the requirements for consideration of this Information Disclosure Statement.

Respectfully submitted,



S. NEIL FELTHAM

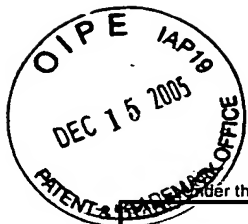
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

1

Complete if Known

Application Number

10/532013

Filing Date

November 12, 2003

First Named Inventor

DAVID L. HALLAHAN

Group Art Unit

UNKNOWN

Examiner Name

UNASSIGNED

Attorney Docket Number

CL2039USPCT

U.S. PATENT DOCUMENTS

[illegible]

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**Examiner
Signature**

Date
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Application Number	10/532013	Filing Date	November 12, 2003
First Named Inventor	DAVID L. HALLAHAN	Group Art Unit	UNKNOWN
Examiner Name	UNASSIGNED	Attorney Docket Number	CL2039USPCT
Sheet	1	of	3

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	MELINDA N. MARTIN, The Latex of Hevea brasiliensis Contains High Levels of Both Chitinases and Chitinases/Lysozymes ¹ , Plant Physiol., Vol. 95:469-476, 1991	<input type="checkbox"/>
	2	TAKESHI YAGAMI ET AL., Plant defense-related enzymes as latex antigens, Journal of Allergy and Clinical Immunology, Vol. 101(3):379-385, 1998	<input type="checkbox"/>
	3	RALPH A. BACKHAUS, Rubber Formation in Plants - A Mini-Review, Israel Journal of Botany, Vol. 34:283-293, 1985	<input type="checkbox"/>
	4	JOSEPH CHAPPELL, Biochemistry and Molecular Biology of the Isoprenoid Biosynthetic Pathway in Plants, Annu. Rev. Plant Physiol., Plant Mol. Biol., Vol. 46:521-547, 1995	<input type="checkbox"/>
	5	THOMAS MEEKER, Low Molecular Weight Polyisoprenes Offer Versatility in Bonding Techniques, Adhesives Age, Vol. 41(7):23-26, 1998	<input type="checkbox"/>
	6	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213620, ACCESSION NO: AY124934, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from Plants	<input type="checkbox"/>
	7	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213604, ACCESSION NO: AY124474, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
	8	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213602, ACCESSION NO: AY124473, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
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	10	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213598, ACCESSION NO: AY124471, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
	11	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213596, ACCESSION NO: AY124470, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2 of 3

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Group Art Unit	UNKNOWN
Examiner Name	UNASSIGNED
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	12	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213594, ACCESSION NO: AY124469, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
	13	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213592, ACCESSION NO: AY124468, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
	14	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213590, ACCESSION NO: AY124467, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
	15	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213588, ACCESSION NO: AY124466, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
	16	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213586, ACCESSION NO: AY124465, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
	17	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 22213584, ACCESSION NO: AY124464, 08-13-2002, C. COLDREN ET AL., Cis-prenyltransferases from plants	<input type="checkbox"/>
	18	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 20387100, ACCESSION NO: AB061236, 05-02-2002, K. ASAWATRERATANAKUL ET AL., Molecular cloning, expression and characterization of cis-prenyltransferases from Hevea brasiliensis	<input type="checkbox"/>
	19	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 20563021, ACCESSION NO: AB074307, 09-18-2002, T. SANDO ET AL., Characterization of cis-prenyltransferase of Hevea brasiliensis	<input type="checkbox"/>
	20	CHRISTIAN M. APFEL ET AL., Use of Genomics To Identify Bacterial Undecaprenyl Pyrophosphate Synthetase: Cloning, Expression, and Characterization of the Essential uppS Gene, Journal of Bacteriology, Vol. 181(2):483-492, 1999	<input type="checkbox"/>
	21	NAOTO SHIMIZU ET AL., Molecular Cloning, Expression, and Purification of Undecaprenyl Diphosphate Synthase, The Journal of Biological Chemistry, Vol. 273(31):19476-19481, 1998	<input type="checkbox"/>
	22	HUSSIN MOHD NOR ET AL., Telechelic Liquid Natural Rubber: A Review, Prog. Polym. Sci., Vol. 23:143-177, 1998	<input type="checkbox"/>

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STATEMENT BY APPLICANT**

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Sheet 3 of 3

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Group Art Unit	UNKNOWN
Examiner Name	UNASSIGNED
Attorney Docket Number	CL2039USPCT

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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	23	KATRINA CORNISH, Similarities and differences in rubber biochemistry among plant species, Phytochemistry, Vol. 57:1123-1134, 2001	<input type="checkbox"/>
	24	DOUGLAS J. MCGARVEY ET AL., Terpenoid Metabolism, The Plant Cell, Vol. 7:1015-1026, 1995	<input type="checkbox"/>
	25	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 20387098, ACCESSION NO: AB061235, 05-02-2002, K. ASAWATRERATANAKUL ET AL., Molecular cloning, expression and characterization of cis-prenyltransferases from Hevea brasiliensis	<input type="checkbox"/>
	26	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 16904643, ACCESSION NO: AB061237, 11-13-2001, K. ASAWATRERATANAKUL ET AL., Molecular cloning, expression and characterization of cis-prenyltransferases from Hevea brasiliensis	<input type="checkbox"/>
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